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| FORM PTO-1449 US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | Art. Docket No. 86721CEB Customer No. 01333 | Serial No. |
| If AFTER the later date of the first Office Action or 3 months from filing, use only with Rule 97(E) Certificate or Fee | Applicant: Robert O. James, et al | |
| LIST OF ART CITED BY APPLICANT (Use several sheets if necessary) | Filing Date | Group |

U.S. PATENT DOCUMENTS

| Examiner Initial* | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|-------------------|-----------------|------------|---------------|-------|----------|----------------------------|
| <i>h</i> | 5,217,804 | 06-08-1993 | James et al. | | | 11-06-1990 |
| <i>i</i> | 5,252,441 | 10-12-1993 | James et al. | | | 11-06-1990 |
| <i>h</i> | 5,985,173 | 11-16-1999 | Gray et al. | | | 11-18-1997 |
| <i>h</i> | 6,441,077 | 08-27-2002 | Border et al. | | | 12-22-2000 |

FOREIGN PATENT DOCUMENTS

| Examiner Initial* | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|-------------------|-----------------|------------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| <i>h</i> | 97/10527 | 1997-03-20 | WO | | | X | |
| <i>h</i> | 99/21934 | 1999-05-06 | WO | | | X | |

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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| <i>h</i> | Lucien Prod'homme, "A New Approach To The Thermal Change In The Refractive Index Of Glasses," Physics and Chemistry of Glasses, Vol. 1, No. 4, August 1960, pages 119-122 |
| <i>i</i> | C. Becker et al., "Optical And Thermomechanical Investigations On Thermoplastic Nanocomposites With Surface Modified Silica Nanoparticles," SPIE Conference on Organic-Inorganic Hybrid Materials for Photonics, San Diego, California, July 1998, SPIE Vol. 3469, pages 88-98 |
| <i>i</i> | B. Braune et al., "Tantalum Oxide Nanomaterials For Optical Applications," SPIE Conference on Organic-Inorganic Hybrid Materials for Photonics, San Diego, California, July 1998, SPIE Vol. 3469, pages 124-132 |
| <i>h</i> | Milton Kerker, "The Scattering Of Light," 1969 Academic Press |

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| EXAMINER: <i>H T Le</i> | DATE CONSIDERED: <i>Jan. 05</i> |
| <small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small> | |